AMENDMENTS TO THE SPECIFICATION

At page 30 (Abstract of the Disclosure) please replace the paragraph commencing at line 3 with the following amended paragraph:

A ~~system and~~ method for detecting a protrusion in a medical image ~~are provided.~~ ~~The method comprises~~ includes: acquiring a medical image, wherein the medical image is of an anatomical part; segmenting the medical image; calculating a distance map of the medical image; calculating a gradient of the distance mapped medical image; and processing the gradient to detect a protrusion in the medical image. The gradient is processed by: projecting a plurality of rays from a location in the distance mapped medical image; calculating a value for each of the plurality of rays based on features of each of the plurality of rays and the gradient of the distance mapped medical image; summing and scaling the value of each of the plurality of rays; and detecting one of a sphere-like and polyp-like shape using the summed and scaled values of the plurality of rays, wherein one of the sphere-like and polyp-like shapes is the protrusion.